

Program DISC Summer School

Control in Power and Energy Systems

NH Conference Centre Leeuwenhorst, Noordwijkerhout, The Netherlands
September 12-15, 2023

Tuesday September 12, 2023: Control of Power Electronics

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|-------|-------|--|-------------------|
| 09:30 | 10:00 | <i>Registration, welcome coffee</i> | |
| 10:00 | 10:10 | Opening of the school | School organizers |
| 10:15 | 12:45 | Tutorial Lecture: Modeling and Control of Power-Electronics-Dominated Power Systems (part 1) | Johannes Schiffer |
| 12:45 | 14:00 | <i>Lunch break</i> | |
| 14:00 | 15:15 | Research Lecture: Model Predictive Control of Power Electronic Systems | Tobias Geyer |
| 15:15 | 15:40 | <i>Afternoon break</i> | |
| 15:45 | 17:00 | Research Lecture: Control of Power Electronics for Renewable Energy Integration | Aleksandra Lekić |
| 18:00 | | <i>dinner</i> | |

Wednesday September 13, 2023: Analysis, Control and Optimization of Power Systems

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| 09:00 | 10:15 | Tutorial Lecture: Modeling and Control of Power-Electronics-Dominated Power Systems (part 2) | Johannes Schiffer |
| 10:15 | 10:40 | <i>Coffee break</i> | |
| 10:45 | 12:00 | Tutorial Lecture: Control of Power Systems | John Simpson-Porco |
| 12:00 | 14:00 | <i>Lunch break</i> | |
| 14:00 | 15:15 | Research Lecture: Control and Optimization of Power Systems | Phuong Nguyen |
| 15:15 | 15:40 | <i>Afternoon break</i> | |
| 15:45 | 17:00 | Research Lecture: Control and Optimization of Power Systems | Nima Monshizadeh |
| 18:00 | | <i>dinner</i> | |

Thursday September 14, 2023: Analysis, Control and Optimization of Power Systems

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|-------|-------|--|--------------------|
| 09:00 | 10:15 | Tutorial Lecture: Control and Optimization of Power Systems (part 1) | John Simpson-Porco |
| 10:15 | 10:40 | <i>Coffee break</i> | |
| 10:45 | 12:00 | Tutorial Lecture: Control and Optimization of Power Systems (part 2) | John Simpson-Porco |
| 12:00 | 14:00 | <i>Lunch break</i> | |
| 14:00 | 17:00 | <i>Social activities</i> | |
| 18:00 | | <i>dinner</i> | |

Friday September 15, 2023: Energy Markets

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| 09:00 | 10:15 | Tutorial Lecture: Energy market Coordination and Optimization (part 1) | Enrique Mallada |
| 10:15 | 10:40 | <i>Coffee break</i> | |
| 10:45 | 12:00 | Tutorial Lecture: Energy market Coordination and Optimization (part 2) | Enrique Mallada |
| 12:00 | 14:00 | <i>Lunch break</i> | |
| 14:00 | 15:15 | Research Lecture: Demand response Coordination and Optimization | Yury Dvorkin |
| 15:15 | 15:40 | <i>Afternoon break</i> | |
| 15:45 | 17:00 | Research Lecture: Market Mechanisms for thermal building Control | Kenneth Bruninx |
| 17:00 | | <i>End of program</i> | |